

Notice of Allowability

Application No.

10/619,639

Examiner

Raquel Y. Gordon

Applicant(s)

TRUNINGER ET AL.

Art Unit

2853

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

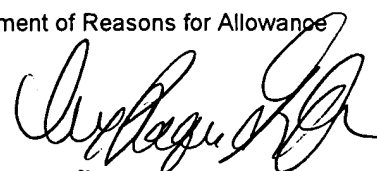
1. ☒ This communication is responsive to this application filed 7/15/2003.
2. ☒ The allowed claim(s) is/are 1-56.
3. ☒ The drawings filed on 15 July 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 7/15/2003
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


RAQUEL GORDON
PRIMARY EXAMINER

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance. The primary reasons for allowance is the claimed combination is not taught by the prior art. For example, the prior art does not teach the claimed combination as emphasized by underlining and bolding below:

1. A method of forming an opening through a substrate having a first side and a second side opposite the first side, the method comprising: forming spaced stops in the first side of the substrate; partially forming a first portion of the opening in the substrate from the second side by a first process; **further forming the first portion of the opening in the substrate from the second side by a second process, including forming the first portion of the opening to the spaced stops; and forming a second portion of the opening in the substrate from the first side, including forming the second portion of the opening between the spaced stops;**

18. A method of forming a substrate for a fluid ejection device, the method comprising: forming spaced stops in a first side of the substrate; **partially forming a first portion of a fluidic channel in the substrate from a second side opposite the first side by a first process; further forming the first portion of the fluidic channel in the substrate from the second side by a second process, including forming the first portion of the fluidic channel to the spaced stops; and forming a second portion of the fluidic channel in the substrate from the first side, including forming the second portion of the fluidic channel between the spaced stops;**

37. A substrate for a fluid ejection device, the substrate comprising: a first side; a second side opposite the first side; spaced stops formed in the first side of the substrate; and **a fluidic channel communicating with the first side and the second side, wherein a first portion of the fluidic channel is partially formed in the substrate by a first process from the second side and further formed in the substrate by a second process from the second side to the spaced stops, and wherein a second portion of the fluidic channel is formed in the substrate from the first side between the spaced stops.**

While Komuro et al. (US 6305080) teach a similar invention, Komuro et al. is distinguished since it does not form openings on two opposing sides, as claimed (see col 4, line 26-col 5, line 51).

Further, Hoen et al. (EP 0865151 A2) teaches two substrates with one side of one substrate opposing the a second side of a different substrate (see fig 1). Hoen et al. is distinguished since the instant claims teach a single substrate having two opposing sides which is different from Hoen et al.

Hence, the independent claims are allowed. The dependent claims are allowed since they depend from allowed base claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2853

Contact Information

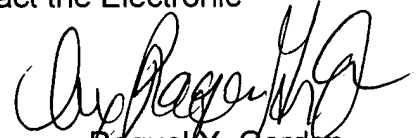
Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Raquel Y. Gordon, whose telephone number is (571) 272-2145. The Examiner can normally be reached on M Tu Th and F 8:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the Examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. A fax number is available upon request.

Any inquiry of a general nature or relating to the status of this application or proceeding may be directed to the Examiner or Supervisor.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Raquel Y. Gordon
Primary Examiner
Art Unit 2853
February 14, 2004